

ABSTRACT OF THE DISCLOSURE

A motor rotor includes a magnetic yoke and a rubber magnet located within the magnetic yoke. At least one pattern is formed on a surface of the rubber magnet, which faces the magnetic yoke. The manufacturing method of the motor rotor is to provide a rubber magnet having flat surfaces, and at least one pattern is formed on a surface of the rubber magnet. The rubber magnet is curved to correspond with the inner surface of the magnetic yoke by the way that the patterned surface of the rubber magnet faces outside. The rubber magnet is put inside the magnetic yoke.